

## Patent Claims

1. Method for transferring software code from a control unit to a field device of process automation technology,  
characterized in that the software code is integrated in a software module, which encapsulates data and functions of the field device and requires, as runtime environment, an operating program for field devices, wherein the operating program establishes a communication connection with the field device and the transfer of the software code occurs via the communication connection.
2. Method as claimed in claim 1, characterized in that the software module is provided in the form of a DTM (device type manager) according to FDT-Specifications, and the operating program serves as an FDT-frame application.
3. Method as claimed in one of the preceding claims, characterized in that the software code corresponds to a function block.
4. Method as claimed in claim 3, characterized in that the function block is provided in the form of a function block according to Foundation® Fieldbus Specifications.
5. Method as claimed in one of the preceding claims 3 or 4, characterized in that the function block includes e.g. algorithms, parameters or methods of the field device.